

## ABSTRACT

An apparatus captures a digital image from a film-based camera having a chamber to receive a film cartridge and a take-up spool to advance the film after each shot. The apparatus includes a cartridge shaped to fit in the camera film chamber, the cartridge including a processor, a storage unit coupled to the processor, and an input output unit coupled to the processor. The cartridge houses a flexible strip having one end coupled to the cartridge and the other end adapted to be wound on the camera take-up spool, the flexible strip containing one or more imaging arrays deposited thereon to capture the digital image, each of the imaging arrays communicating with the processor.